

PDR RID Report

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RID ID	PDR	213
Review	CSMS	
Originator Ref		
Priority	2	

Section ESN WAN

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Figure Table

Category Name Design-ISS

Actionee HAIS

Sub Category

Subject Wide Area Network Bandwidth

Description of Problem or Suggestion:

1999 Bandwidth estimates - These do not include JPL (i.e., MISR) IST traffic to processing DAAC.

Originator's Recommendation

It would seem reasonable and cost effective to use the inter-DAAC Network for this transfer. No use of this network is apparent in these diagrams.

Further: SeaWinds and EOS-ALT are both 1999 launches and have not been included in these discussions. Both of these drive bandwidth requirements.

GSFC Response by:

GSFC Response Date

HAIS Response by: Forman

HAIS Schedule 2/28/95

HAIS R. E. D. Moore

HAIS Response Date 3/22/95

The table contained in slide SA1-7 reflects traffic from the MISR ISTs at JPL to the EOC at GSFC. (The volume of the data flow is approximately 450 kbps, as opposed to the 100 kbps shown in the slide. This will be corrected in the DID 220 document from which the slide was derived.) All IST traffic is to/from the EOC at GSFC, and not between the IST and the DAAC processing the data with which the IST is associated. (Note that Quick Look data was not part of the PDR baseline). This IST traffic between JPL and GSFC will travel across the 1.5 Mbps ESN WAN link illustrated in slide SA1-6. The ESN WAN requirements and their derivation are contained in the document (DID 220) "Communications Requirements for the ECS Project."

The table in SA1-7 reflects only the AM-1 and TRMM missions. Since the scope of the CSMS PDR was Release A, and because SeaWinds and EOS-ALT have no Release A requirements (as opposed to the early interface test requirements for AM-1), SeaWinds and ALT were not in the scope of the PDR presentation. However, they will be included in the Release B Release Initiation Review (RIR).

Status Closed

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Sponsor desJardins

Attachment if any
